

S/N Unknown

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Daniel Yellin	Examiner:	Unknown
Serial No.:	Unknown	Group Art Unit:	Unknown
Filed:	Herewith	Docket:	1000-0018
Title:	A UNIFIED MMSE EQUALIZATION AND MULTI-USER DETECTION APPROACH FOR USE IN A CDMA SYSTEM		

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement.

**INFORMATION DISCLOSURE STATEMENT**

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Serial No :Unknown

Dkt: P16075 (INTEL)

Filing Date: Herewith

Title: A UNIFIED MMSE EQUALIZATION AND MULTI-USER DETECTION APPROACH FOR USE IN A CDMA SYSTEM

Assignee: Intel Corporation

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The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.


Respectfully submitted,

DANIEL YELLIN

By his Representatives,

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Date 10-30-03

By   
John C. Scott  
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"Express Mail" mailing label number: EV268173605US

Date of Deposit: October 30, 2003

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<i>Complete if Known</i>	
	<b>Application Number</b>	Unknown
	<b>Filing Date</b>	Even Date Herewith
	<b>First Named Inventor</b>	Yellin, Daniel
	<b>Group Art Unit</b>	Unknown
	<b>Examiner Name</b>	Unknown
Sheet 1 of 1		Attorney Docket No: 1000-0018

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-5,572,552	11/05/1996	Dent, Paul, et al.	375	343	01/27/1994
	US-6,034,986	03/07/2000	Yellin, Daniel	375	200	06/11/1997

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
		BOTTOMLEY, GREGORY E., "A Generalized RAKE Receiver for Interference Suppression", <u>IEEE Journal on Selected Areas in Communication</u> , vol. 18, no. 8, (August 2000), 1536-1545				
		HOOLI, KARI, et al., "Inter-path Interference Suppression in WCDMA Systems with Low Spreading Factors", <u>IEEE VTC Conference Proceedings</u> , (1999), 421-425				
		HOOLI, KARI, et al., "Performance Evaluation of Adaptive Chip-Level Channel Equalizers in WCDMA Downlink", <u>IEEE Conference Proceedings</u> , (2001), 1974-1979				
		LENARDI, MASSIMILIANO, et al., "A RAKE Receiver with Intracell Interference Cancellation for a DS-CDMA Synchronous Downlink with Orthogonal Codes", <u>IEEE VTC2000</u> , (2000), 430-434				
		LENARDI, MASSIMILIANO, et al., "SINR Maximizing Equalizer Receiver for DS-CDMA", <u>Signal Processing X: Theories and Applications: Proceedings of EUSIPCO</u> , Vol. 1, (September 2000), 83-86				

EXAMINER

DATE CONSIDERED